<u>Claims</u>

- 7. A method for removing metal compounds comprising copper metal compounds from waste water comprising the steps of:
 - (a) adjusting the pH of the waste water to from about 5 to about 12;
 - (b) aerating the waste water;
- (c) agitating the waste water, where steps (a), (b) and (c) are carried out simultaneously in a reaction tank and waste water is aerated in said reaction tank to provide a dissolved oxygen concentration at of from about 0.001 lb./hr. at a waste water input plew flow rate of from about 50 gal./min. to about 500 gal./min. for a metals concentration of from about 50 mg./L to about 1,000 mg./L;
- (d) then adding a flocculating agent polymer selected from a group consisting of cationic and anionic polymers to the water and allowing floccules including said metal compounds to form; and
- (e) then separating said floccules including said metal compounds from the water <u>by</u>

 means of a clarifier and adding additional flocculating agent polymer to said separated metal

 compounds; and
 - (f) then further dewatering the floccules separated in step (e).
- 8. (cancelled)
- 9. (cancelled)
- 10. (amended) The method of claim § 7 wherein after the addition of the additional flocculating agent polymer, the flocculated metal compound is dewatered in step (f) in a belt filter press.
- 11. (original) The method of claim 10 wherein there is water which is removed in step (f) and said water removed in step (f) is removed to a polishing pond.
- 12. (cancelled)

- 13. (cancelled)
- 14. (cancelled)
- 15. (cancelled)
- 16. (amended) The method of claim 8 7 wherein in step (e) separation is conducted by means of sequential treatment in a the clarifier and a rotary drum thickener.
- 17. (original) The method of claim 16 wherein additional flocculating agent polymer is added after the clarifier and then again after the rotary drum thickener.
- 18. (original) The method of claim 16 wherein after the additional flocculating agent polymer, the flocculated metal compound is dewatered in step (f) in a belt filter press.
- 19. (original) The method of claim 18 wherein there is water removed in step (f) and said water removed in step (f) is removed to a polishing pond.
- 20. (original) The method of claim 17 wherein water removed in step (f) is removed to a settling pond.
- 21. (cancelled)
- 22. (cancelled)
- 23. (cancelled)
- 24. (original) The method of claim 7 wherein in step (a) the pH is adjusted to from about 6 to about 9.
- 25. (original) The method of claim 7 wherein in step (a) the pH is adjusted by adding a neutralizing agent selected from sodium hydroxide, anhydrous ammonia, sulfuric acid and hydrochloric acid.
- 26. (original) The method of claim 7 wherein the polymer is cationic polymer which is used for dewatering purposes.
- 27. (original) The method of claim 7 wherein the polymer is an anionic polymer which is used for primary clarification purposes.

- 28. (original) The method of claim 7 wherein the polymer is an anionic polymer which is used for settling purposes.
- 29. (original) The method of claim 7 wherein the polymer is added in a dilute concentration of from about 0.5% to about 1.5% by weight.
- 30. (original) The method of claim 7 wherein after step (e) a portion of the separated water is removed to a polishing pond.
- 31 (cancelled)